

#### ABSTRACT OF THE DISCLOSURE

A method for forming a plurality of composite parts via resin transfer molding in a single molding cycle. The method includes the steps of using a mold having first and second mold members that cooperate to house a plurality of shims and placing a plurality of preform workpieces into the mold cavity such that at least one of the shims is disposed between each of an adjacent pair of the preform workpieces. A liquid resin is then injected into the mold cavity and subsequently cured to thereby form a cured workpiece matrix that is composed of a plurality of semi-finished composite parts and at least one shim separating the plurality of semi-finished composite parts from one another.